



# The Future of REScheck

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## Background

- REScheck created to do envelope trade-offs and demonstrate compliance
- Based on extensive parametric analyses
- Code compliance, not energy analysis
- Added certification checklist



## IECC 2004/06

- Residential sections simplified
  - Map with 8 Climate Zones instead of 18
  - WWR no longer need be calculated
- Increased Stringency
  - Wall R-value increased from R-13 to R-19
    - Zones 3-5
- Trade-off limits
  - Fenestration U-factor 0.40 [zones 4-8]
  - SHGC 0.50 [zones 1-3]



## IECC 2004/06

- Duct insulation R-8 [in floor trusses R6]
- Certificate on electric distribution panel
- Performance Approach
  - Modeling requirements more detailed
  - Modeling software requirements more detailed
  - Closely aligned with equivalent U-factor table
  - Prescribed WWR of 18%



## Where Should We be Going?

- Is REScheck obsolete?
- Should REScheck be enhanced to facilitate plan check and field inspection?
- Should DOE rely on private sector energy software analysis tools to take up the slack?
- Should REScheck go back to its deemed to comply roots?